

Discussion Questions

4.5/6

1. What would happen to the number of upper trophic level organisms if the first trophic level population were to dramatically **decrease**? Why?

They would starve, or eat other things.

2. What would happen to the number of upper trophic level organisms if the lower trophic level organism's population were to dramatically **increase**? Why?

They would have a surplus of food.

3. What **type of organisms** could we add to the food chain/web that would make the chain a cycle [circular]? Where would you place them?

You could add water ^{yes}

mammals → [cat, mountain lion]..?

→ decomposers [fungi, bacteria]

break down organic matter

4. How many organisms depend on the ~~grasshopper~~ for their food? List them below.

3, secondary consumer + tertiary.

5. What do you think the **keystone species** is in the food web? Why?

The tertiary consumers.

6. Think about what might happen if the trout was infected with mercury. What would happen to the food chain? How would it affect the other organisms?

The food chain would have problems with their brain, or cancer.

4.5/5